BEFORE THE BOARD OF OIL, GAS AND MINING

APR 0 3 2015 SECRETARY, BOARD OF

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH

whiting oil and gas corporation ("Whiting"), by and through its undersigned attorneys and pursuant to Rule R649-3-20.5 of the Utah Administrative Code ("U.A.C."), hereby petitions the Board of Oil, Gas and Mining (the "Board") for an order authorizing Whiting, as the operator of the Moroni #11M-1107 Well (the "Well"), to flare gas in amounts in excess of that authorized by law. This Amended Request for Agency Action ("Amended Request") modifies the original Request for Agency Action filed in this Cause on December 11, 2014 (the "Original Request") by: (1) updating the completion and production history for the Well; (2) changing the requested relief to allow Whiting to flare gas produced from the Well until such time as additional drilling and production from the Well and other nearby wells economically justify construction of a gas processing plant and a pipeline to transport the produced gas from such wells to an existing gas transmission line; and (3) updating the list of persons to which the Amended Request is being mailed. In support of its Amended Request, Whiting respectfully states and represents as follows:

- 1. Whiting is a Delaware corporation in good standing, having its principal place of business in Denver, Colorado. Whiting is licensed to do business, and is doing business, in the State of Utah.
- 2. The Board has jurisdiction of the parties and subject matter of this Request pursuant to Chapter 6 of Title 40.
- 3. Whiting is the operator of the Moroni #11M-1107 Well, a horizontal well located in Sanpete County, Utah, (the "Well"). The Well's surface location is situated in the SW¼SW¼ of Section 11, Township 15 South, Range 3 East, S.L.M., and the Well's bottomhole location (terminal lateral) is in the SE¼SE¼ of the same section. The Well is situated on and traverses numerous fee (private) leases.
- 4. The Well is a wildcat well that only recently was completed and commenced production. Upon information and belief, Whiting alleges that there are no producing wells in Sanpete County, Utah, and the nearest production is approximately 22 miles away from the Well. Accordingly, with the exception of the current production from the Well, there is no other commercial production of oil or gas from wells near the Well, and therefore, no sales pipeline connections in the vicinity of the Well, or production from any well that would justify pipeline construction at the current time.
- 5. The Well and the subject leases are currently subject to the Board's well-location siting rules. The Well, accordingly, is located in a 640-acre temporary spacing unit pursuant to U.A.C. Rule R649-3-2(6). U.A.C. Rule R649-1-1 of the Board's General Rules defines "Temporary Spacing Unit" as: "a specified area of land designated by the board for purposes of determining well density and location. A temporary spacing unit shall not be a drilling unit as

provided for in U.C.A. 40-6-6, Drilling Units, and does not provide a basis for pooling the interest therein as does a drilling unit."

- 6. The Well reached total depth in early December 2014, completion operations (drilling frac plugs) were completed on March 17, 2015, and flowback and production operations currently are ongoing. The Well currently produces approximately 400 to 500 MCFD.
- 7. In answering each of the requirements established in Rule R649-3-20.5 for requests to flare or vent gas in excess of amounts permitted by rule, Whiting states and alleges as follows:
- a. Justification of the Need to Vent or Flare More Than the Allowable

 Amount: The Well is a rank wildcat well in a remote location that is testing a new play concept.

 The Well had not been completed as of the date the Original Request was filed. Whiting filed the

 Original Request as a precautionary measure because Whiting wished to be on the Board's hearing

 docket to seek its approval to flare or vent volumes of gas in excess of regulatory limits without

 delay in the event well operations necessary to evaluate the Well required flaring produced gas at

 rates in excess of such limits. The Well has since been completed and initial production from the

 Well has commenced.

By Sundry Notice dated March 20, 2015, and pursuant to U.A.C. Rule R649-3-20.3, Whiting applied to the Division of Oil, Gas and Mining (the "**Division**") for authority to flare or vent gas at unrestricted rates for up to 30 days to further evaluate the Well, with the restriction that no more than 50 MMCF of gas may be vented or flared during that period based on the Division's approval. The Division approved the Sundry Notice on March 31, 2015. The Division's approval will expire shortly after the Board's April 22, 2015 hearing. The Well currently is capable of producing between 400-500 MCF of gas per day, which production exceeds the 1,800 MCF per

month limit (approximately 60 MCFD) authorized under Rule R649-3-20.1.1 without further approval from the Board. Accordingly, to continue flaring the produced gas beyond the date approved by the Division, Whiting is required to petition the Board for its approval of a flaring exception.

In the near term, continued flaring is critical to acquiring sufficient production data to provide the Board with Whiting's drainage area analysis for the Well and recommendations for proper well spacing for the Well in pending well-spacing Cause No. 176-06. In addition, continued flaring is necessary to acquire additional production data in order to evaluate the reservoir for further area development. As development continues, such production information will also be utilized to determine the initial sizing of a gas plant.

Whiting has considered the customary alternatives to gas venting or flaring and has concluded that a pipeline alternative would ultimately be the most feasible, assuming that Whiting's play is proven to be commercial. There currently is no gas pipeline gathering system to market gas produced from the Well. A gas transmission line is located approximately 36 miles from the Well to which the Well could feasibly be connected. A feasibility assessment has not been made of the right-of-way and environmental requirements for installation of the 36-mile pipeline, but installation would likely require two years for permitting and construction. Construction of a gas processing plant and buried pipeline to market and transport the gas to the existing transmission line, considering both current oil and gas prices, is not economic for just one well at this time. To produce the Well, Whiting should be allowed to flare gas beyond the allowable limit.

b. **Description of Production Test Results:** First gas production occurred on February 19, 2015, but the Well did not go into full production until March 17, 2015, when full

flowback began after the remaining frac plugs were drilled out. Since March 17, 2015, the Well is averaging between 400-500 MCFD.

- c. Chemical Analysis of Produced Gas: A chemical analysis from the Well is attached hereto and incorporated herein as Exhibit "A."
- d. **Estimated Oil and Gas Reserves:** This is an exploratory well with limited test results and very little production history. Additional production data is required to realistically evaluate the possible oil and gas reserves from the Well.
- e. Description of Reinjection or Other Conservation-Oriented Alternatives for Disposing Produced Gas: Reinjection would require several successful well completions in the immediate area before becoming an economic alternative. Whiting has considered other "conservation-oriented" alternatives in addition to reinjection, including compression, gas-to-wire, and pipeline alternatives, and has determined that such alternatives also are not feasible at this time. Whiting is unaware of any other workable alternatives.
- f. **Description of the Amount of Gas Used in Lease Operations:** Lease operations for the Well currently use approximately 100 MCFD of gas, leaving approximately 300-400 MCFD of gas to be flared.
- g. Economic Evaluation Supporting Operator's Determination that

 Conservation of Gas is Not Economically Viable: During the early production period for the

 Well there will not be any economically viable method to conserve the gas produced by the Well.

 Based on its remote location and the anticipated initial volumes of gas involved, no alternative at

 current gas and oil prices would likely be feasible. In the event additional production of commercial

 quantities of oil and/or gas is established, Whiting will re-evaluate whether conservation of the gas

 is economically viable.

- 8. An updated list of the names and addresses of all persons owning interests in the leases within the temporary spacing unit comprising Section 11 are set forth in the Certificate of Mailing attached hereto and incorporated herein by reference.
- 9. Whiting intends to update the information required under Rule R649-3-20.5 as it becomes available by providing the same to the Division and the Board. Whiting also intends to present additional testimony and evidence at the hearing to fully inform the Board as to the need for relief from gas flaring limitations presently contained in the Board's regulations.
- 10. Whiting believes, and therefore, alleges that granting the Amended Request will further the public policies of this State by promoting the greatest recovery of oil without waste while protecting the correlative rights of all affected owners, and granting the Amended Request will be just and reasonable under the circumstances.

WHEREFORE, Whiting respectfully requests that the Board set this matter for hearing at its next scheduled meeting on April 22, 2015, that notice of this Amended Request and the hearing be provided as required by law, and that following said hearing, the Board enter an Order:

- A. Authorizing Whiting, as the operator of the Well, to flare gas produced from the Moroni #11M-1107 Well in amounts greater than authorized by Rule R649-3-20 until such time as additional drilling and production from the Well and other nearby wells economically justify construction of a gas processing plant and a pipeline to transport the produced gas from such wells to an existing gas transmission line;
- B. Make such findings, conclusions, and orders in connection with this Amended Request as it deems necessary; and
- C. Providing for such other and further relief as may be just and equitable under the circumstances.

Dated this 3rd day of April, 2015.

VAN COTT, BAGLEY, CORNWALL & McCARTHY

Thomas W. Clawson

Attorneys for Whiting Oil and Gas Corporation

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Petitioner's Address:

Whiting Oil and Gas Corporation Attn: Paul Joeckel 1700 Broadway, Suite 2300 Denver, Colorado 80290

CERTIFICATE OF MAILING

I hereby certify that on this 3rd day of April, 2015, I caused a true and correct copy of the foregoing Amended Request for Agency Action to be served via U.S. Mail, properly addressed with postage prepaid, upon each of the following parties:

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9, 2014	Moroni, UT 84646
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Mt. Pleasant, UT 84647	Saipan, MP 96950 United States Territory
)	

4825-3867-6770, v. 1

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Open Range Access, Inc. 1804 Skyway Dr., Unit D Longmont, CO 80504 (303)952-4083

Print Date Time:

02/25/2015 15:10

Analyzed By:

Meter ID:

2015_02_25_MU_11M-1107__01

Operator: Whiting Location: Moroni Utah

Analysis Time:

02/25/2015 14:59

Flowing Temp.: 83 Deg. F Calibration Elevation: 6300 ft

Sample Type: Spot Flowing Pressure: 122 psig Location Elevation: 6300 ft

Comp	UnNorm %	Normal %	Liquids (USgal/MCF)	Ide (Btu	eal Rel. u/SCF)	Density	
Propane Hydrogen Sulfide IsoButane Butane NeoPentane IsoPentane Pentane Hexane+ Nitrogen Methane CarbonDioxide Ethane Hexane Heptane+ Nonane Octane Nonane+ Nonane Decane Undecane Dodecane Ethane- Propane + Oxygen Water Helium Hydrogen	1.64034 3.51978 0.0 0.69064 0.36277	3.58806 0.0 0.70403 0.36981 0.20966 0.80040 63.83083 1.08372 17.41707 0.20966 0.0 0.0 0.0	1.13671 0.0 0.25873 0.13471 0.0 0.08849 10.87408 0.18585 4.68071 0.08664 0.0 0.0 0.0	0.0 28.16 14.82 0.0 0.0 644.69	7708 0. 6768 0. 676	03356 07201 0 01754 00921 0 00774 35356 01647 18082 00624 0 0 0 0 0	
Total Elevation (+0ft)	98.09694 0.0	100.00000	20.85398	1437.08	3362 0.	85841	
Inferior Wobbe	1539.1365 (B	tu/SCF)	Superior W	obbe	1562.6558		
(Btu/SCF) Compressibility	0.9949		Density		0.0657		
(lbm/ft3) Real Rel. Density	0.8584		Ideal CV		1437.0836		
		2.6692 (Btu/SCF)		Dry CV		1447.8071	
(Btu/SCF) Contract Temp.	60.0000 (de	eg F)	Contract F	ress.	14.7300	(psia)	
Number of Cycles Atmospheric Press	2 ure 11.58		Connected	Stream	1		
		Page 1					